

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619510017-1

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(~~St. Patrick's College, Maynooth~~)

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(The portion of the letter written by Janossy is signed from School of Cosmic Physics, Dublin Institute for Advanced Studies.)

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JANOSSY, L.

Cosmic Rays, 1950.

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Source: Mathematical Reviews,

Vol. 11 No. 7

*CH**11/26*

The effect of  $\beta$ -aminosalicylic acid on the activity of serum lipase. László Perényi and László Jánosy (Univ. Budapest, Hung.). *Kisérleti Orvostudomány* 2, 303-8 (1950).—Lipase activity was examd. in serum treated with various amounts of  $\beta$ -aminosalicylic acid (I) dissolved in 0.01 N NaOH and adjusted to pH 7.0 with a 1% M phosphate buffer. *In vitro* I showed a definite inhibiting effect even in a concn. of 1.0 mg. % when allowed to stand 24 hrs. The degree of inhibition was 50% at a concn. of 10 mg. %, and 100% at a 17 mg. % concn. Acetylated I had no inhibiting effect.  $m$ -Aminophenol,  $p$ -aminobenzene-sulfonamide, and  $p$ -aminobenzoic acid showed similar but weaker effects, whereas salicylic acid was ineffective. The inhibiting effect is caused by the free NH<sub>2</sub> group in the *m*-position to the OH group. Clinical expts. proved that I *in vivo* is ineffective both in humans and in rabbits.

István Finály

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(Dublin Inst. for Advanced Studies, Ireland)

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Janosky, L.

Note on the fluctuation problem of cascades. Proc. Phys. Soc.  
(London), 63A, 241-9 (1950)

(Dublin Inst. for Advanced Studies, Ireland)

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*J. A. Massy, Jr.*

APPROVED FOR RELEASE: 08/10/2001

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"APPROVED FOR RELEASE: 08/10/2001

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*DATA SECURITY*

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"APPROVED FOR RELEASE: 08/10/2001

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Jancsó, L.

On the physical interpretation of the Lorentz transformation. Acta Phys. Hungar., I, 4, pp. 391-422 (1951). In English.

(Central Research Institute for Physics, Budapest. Department for Cosmic Rays.)

[Notation: "Received 9. II. 1952." ]

Also in Ann. Phys. (Leipzig), 11, No. 4-7, 293-323 (1935). In German.

Jancsay, L., and H. Messel

On the calculation of average numbers for the electron-photon cascade .  
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Investigation into the higher moments of a nucleon cascade. Proc.  
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CIA-RDP86-00513R000619510017-1

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APPROVED FOR RELEASE: 08/10/2001

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"The physical aspects of the wave-particle problem," Acta phys. Hungar., I, No. 4,  
1952 (In English.)

\*(Central Research Institute for Physics, Budapest, Department for Cosmic Rays.)  
[Notation: "Received 22. IV. 1952."]

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No 2, 1952 (In English)

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[Notation: "Received 23. V. 1952."]

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Jánossy, L. Studies on the theory of cascades. Acta Phys. Acad. Sci. Hungar. 2, 289-333 (1952). (Russian summary)

In the theory of nucleon cascades one has to consider processes in which a single particle of known energy, on passage through matter, gives rise to secondary particles of various energies, the number and variety of which as well as their energy distributions are random variables subject to laws of probability. A typical problem in the theory is to determine the probability of occurrence at a certain depth  $x$  of a definite number of particles of specified variety and with energies in specified intervals when a particle of known energy is incident at  $x=0$ . It is clear that it will be difficult to even formulate the relevant "diffusion equations" without some special notation. The present paper is principally devoted to describing a notation and developing a formalism which will enable the equations and the problems of the subject to be compactly formulated. The basic equation of the theory is one which the author calls the "G-equation." Simpler examples of the author's methods have been published earlier [Jánossy, Proc. Roy. Irish Acad. Sect. A. 53, 181-188 (1950); these Rev. 13, 569; Messel and Gardner, Physical Rev. (2) 84, 1256 (1951); these Rev. 13, 569].

S. Chandrasubbar. (Williams Bay, Wis.).

Mathematical Reviews  
Vol. 15 No. 4  
Apr. 1954  
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Janossy, Lajos

Category : HUNGARY/Nuclear Physics - Cosmic Rays

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3282

C-7

Author : Janossy, Lajos

Title : Study of Extensive Air Showers

Orig Pub : Magyar tud. akad. Kozp, fiz. Kutato intez. kozl., 1953, 1, No 1-2,  
54-60

Abstract : Survey article.

Card : 1/1

JANOSSY, LAJOS

Mathematical Reviews  
Vol. 15 No. 2  
Feb. 1954  
Numerical and Graphical  
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Jánossy, Lajos. Searching for periodicities. Magyar Tud.  
Akad. Mat. Fiz. Oszt. Közleményei 3, 7-25 (1953).  
(Hungarian)  
The author discusses various iterative methods for the  
detection of periodicities in observational data.  
*E. Lukacs* (Washington, D. C.).

"An account of some problems of the Conference of Physicists in Berlin."  
Kozlemenyei, Budapest, Vol 3, No 3, 1953, p. 323

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

JANOSSY, L.

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Sept 1953

A paper "Wellenmechanische Berechnung einiger Konstanten des HF-Molekuls," by Zs. Naray, Zentralforschungsinstitut für Physik der Ungarischen Akademie der Wissenschaften, Budapest, Notation: "Vorgelegt von L. Janossy. ---Eingegangen" 5. IX. 1953. Article is in German.  
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Vol. 14 No. 9  
October 1953

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✓ Jánossy, L. Über die physikalische Interpretation der Lorentz-Transformation. Ann. Physik (6) 11, 293-312 (1953).

✓ German version of the author's paper in Acta Phys Acad. Sci. Hungar. 1, 391-422 (1952); these Rev. 14, 506  
H. P. Robertson (Pasadena, Calif.).

JANOSSY, L.

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Oct 1953

[A paper "Reflex oscillators," by P.S. Fanago, Central Research Institute for Physics, Budapest, And G. Groma, University Institute for Physics, Budapest. Notation: "Presented by L. Janossy--- Received 10. XI. 1953." Article is in English.]

Acta Phys. Hungar., IV, 1, 7, 1954.

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"Fluctuation problem of cascades," Proc. Phys. Soc., (London) 66A, 1, 1953.

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Witt, D., Kiss, "On the measurement of efficiency of G.M.-counters," Acta Phys.  
Hungar., 4, 2, (1954)

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Biographic data

Feb 1954

A paper "Fredholm theory of Heitler's Integravl Equation," by S. N. Biswas, Department of Theoretical Physics, Indian Association for the cultivation of Science, Calcutta, Notation: Presented by L. Janoss;--Received I, II, 1954.  
In English.

Acta Phys. Hungar., IV, I. 1954.

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Biographic data

Jan 1954

A paper "Quantum effects in the interaction between free electrons and electromagnetic fields," by P. S. Farago, Central Research Institute for Physics, Budapest, and G. Marx, University Institute for Physics, Budapest. Notation: "Presented by L. Janossy.--Received 11, I. 1954." In English.

Acta Phys. Hungar., IV, 1, 23, 1954.

JANOSSY, L.

Biographic data

Feb 54

[A paper "On the quantum statistics of nucleons," by G. Szamosi, Central Research Institute for Physics, Budapest. Notation: "Presented by L. Janossy.--- Received 2. VI. 1954." The article is in English.]

Acta Physica Hungar., IV, 2, 1954.

JANOSSY, L.

Biographic data

Aug 1954

[A paper "Ein Strömungsmodell der Wellen-mechaniks," by Herbert W. Franke, Erlangen. Notation: "Vorgelegt von L. Janossy.--Eingegangen: 31. VIII. 1954. The article is in German.]

Acta Phys. Hungar., IV, 2, 163, 1954.

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1932. On the measurement of efficiency of G.M.-  
counters. L. JÁNOŠY AND D. KIS. *Acta phys.  
Hung.*, 4, No. 2, 173-182 (1954).

An improved method is given. Special care has been  
taken to reduce spurious events resulting from cosmic  
showers and accidental coincidences. With help of  
the above method the efficiencies of G. M. counters  
used in the authors' laboratory has been found in most  
cases to be about 99.3%.

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JANOSSY, L.

"Investigation on the theory of cascades. Part 1." Zhur. eksp. i teor. fiz. 26 no.4;386-404 Ap '54.  
(MIRA 7:7)

l. Tsentral'nyy nauchno-issledovatel'skiy fizicheskiy institut  
Budapest.  
(Nuclear physics) (Cosmic rays)

~~YANOSI~~, L. JANOSSY  
USSR/Hungary/Nuclear Physics - Cosmic rays

FD 410

Card 1/1 Pub. 147-2/16

Author : Yanoshi, L. [L. Janossy]

Title : Investigations in the theory of Cascades. II

Periodical : Zhur. eksp. i teor. fiz. 26, 518-536, May 1954

Abstract : Shows that many familiar successes of the theory of cascades can be simply derived from the generalized G-equations as obtained in Part I (L. Yanoshi, ZhETF 26, 386, 1954). Among these successes are the results connected with the cross-sectional distribution of atmospheric showers. Refers to 3 of his earlier works, published in England in 1950.

Institution : Central Scientific Research Institute of Physics, Budapest

Submitted : August 13, 1953

JEL/DP - 1951

Measurements of the efficiency of Geiger-Müller counters. László Jánossy and Dezső Kiss. *Magyar Fiz. Folyóirat* 37, 237-244 (1966).—The app. and the method followed were similar to that of Rochester and Jánossy (C.A. 37, 40074). Special care was taken to reduce spurious counts to a min. The efficiency of the counter was 99.3%.

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JANOSSY, L.; NARAY, ZS.

Decade light attenuator. In English. p. 133 Vol. 5, no. 2, 1955

SOURCE: Monthly list of East European Accessions, (EEAL), LC,  
vol. 5, no. 3, March 1956

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JAVOSSY, L.

Tasks for Hungarian researchers and Hungarian industry in the use of aid offered  
by the Soviet Union for atomic research. p. 6.  
MUSZAKI ELET, Budapest, No. 11, June 1955.

SO: Monthly List of East European Accessions, (EUAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

USSR/Physics - Electron multiplier

FD-2341

Card 1/1      Pub. 146 - 6/34

Author      : Yanoshi, L. [Janossy, L.]

Title      : Statistical problems of the electron multiplier

Periodical      : Zhur. eksp. i teor. fiz. 28, 679-694, Jun 1955

Abstract      : The author expounds a method for determining the function describing the distribution of amplitudes of impulses (momenta) in an electron multiplier if one knows the probability of occurrence of n secondary electrons in one elementary act. He solves the problem of determining the probability of this elementary act (event) if one knows from the experimental data the curve describing the distribution of impulses (momenta) according to amplitudes in a multiplier. Two references (L. Janossy, Acta Matematica, Budapest, 2, 1951; M. Lemray, C. R. 128, 1889).

Institution      : Central Scientific-Research Institute of Physics, Hungarian Academy of Sciences, Budapest

Submitted      : May 24, 1954

JANOSSY, L.

"Measurement of sound sensitivity of GM (Geiger-Muller) counters." p. 257.

MAGYAR FIZIKAI FOLYOIRAT. (Magyar Tudomanyos Akademia) Budapest, Hungary,  
Vol. 3, No. 3, 1955.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959.  
Uncl.

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JANOSSKY

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JANOSSY, L.

Some problems of our technical development and the intelligentsia,  
p. 1, MUSZAKI ELET (Muszaki es Termeszettudomanyos Egyesuletek  
Szovetsege) Budapest, Vol. 11, No. 13, July 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 5, No. 11, November 1956

*T. N. S. Y., L.*

Category : USSR/Nuclear Physics - Origin of Charged and Neutral Particles through Matter

C-6

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 581

Author : Yanoshi, L.

Title : Generalized Form of the Diffusion Equation for a Single Particle

Orig Pub : Zh. eksperim. i teor. fiziki, 1956, 30, No 2, 351-361

Abstract : The diffusion process is described by a function  $\phi(A, U, t)$ , where  $A$  represents the parameters determining the state of the particle (components of a vector  $A_k(t)$ ),  $U$  determines the intervals of the components of  $A$ ,  $t$  is the time, and  $\phi$  is the probability that a particle, which is in a state  $A$  at the instant  $t' = 0$ , assumes at the instant  $t' = t$  such a state  $A'$ , which lies inside  $U$ . The state of the particle may change by collisions between particles. The probability of the  $A \rightarrow A''$  transition by collision is denoted by  $w(A, A'') dA'' dt$ , where

$$w(A(t'')) = \sqrt{A''} w(A(t''), A'') dA''$$

The general diffusion equation is obtained in the following form

$$(\partial / \partial t + w(A) - \sum_{k,l} A_k^{(l+)} \partial / \partial A_k^{(l)} \phi(A, U, t)) = \int_{A''} w(A, A'') \phi(A, U, t) dA.$$

Card : 1/2

Category : APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619510017-1  
through Matter

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 581

By way of example the author discusses the problem of the distribution of the areas between a straight line and the projections of the trajectory of a particle in an emulsion.

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International Conference (Cont.)

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